Basic principles

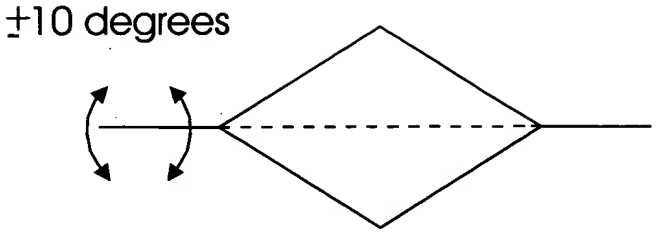

Fig. 1

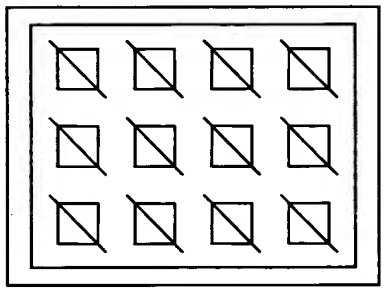

Fig. 2

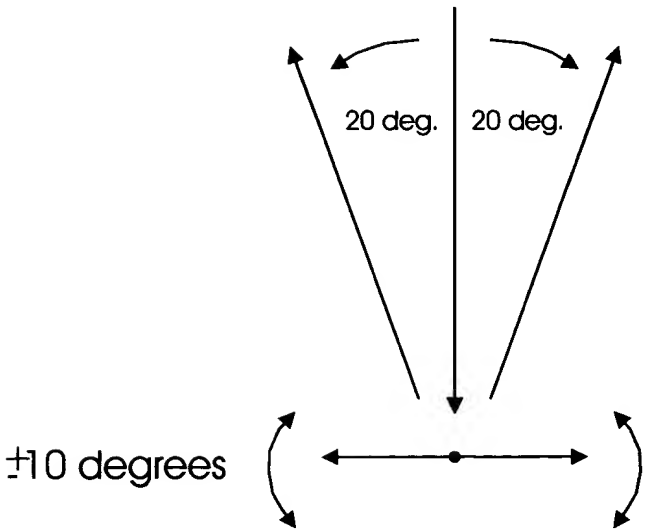

Fig. 3

Basic principles

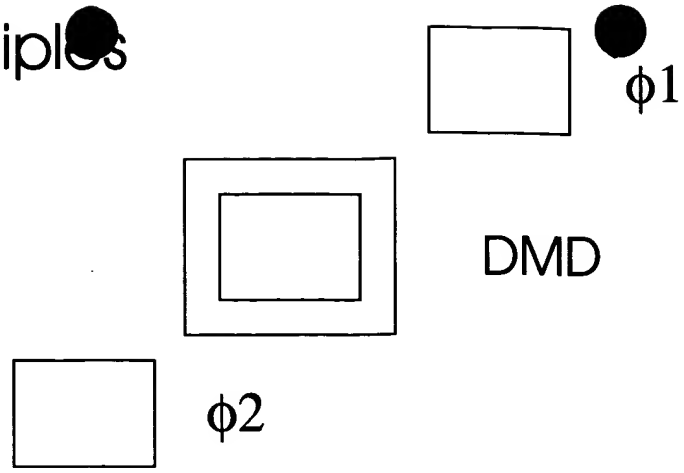

Fig. 4

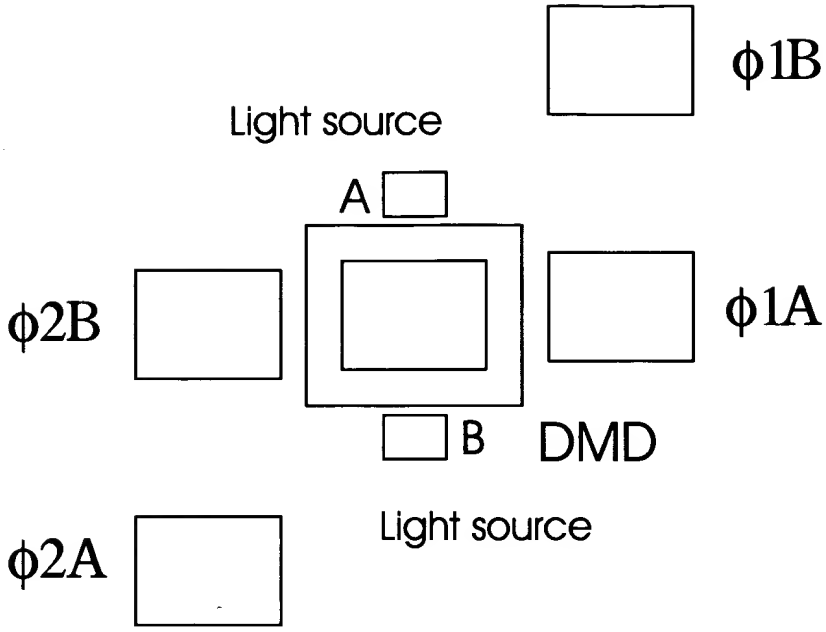

Fig. 5

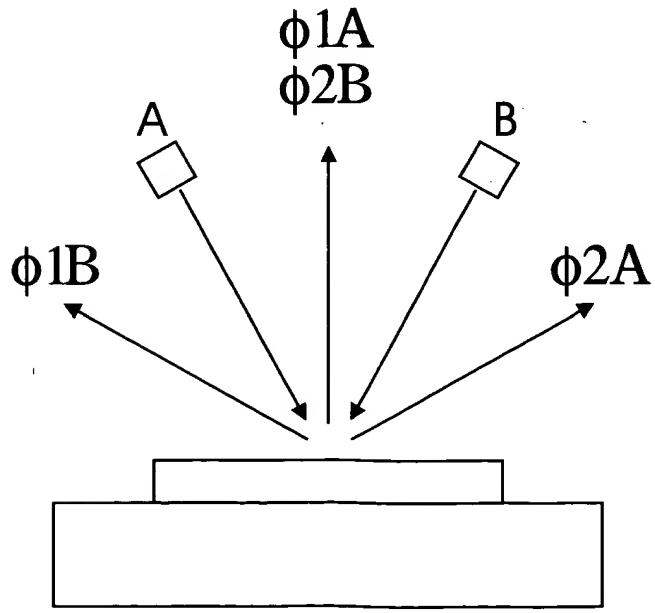

Fig. 6

Mirror HMD - Single Stage

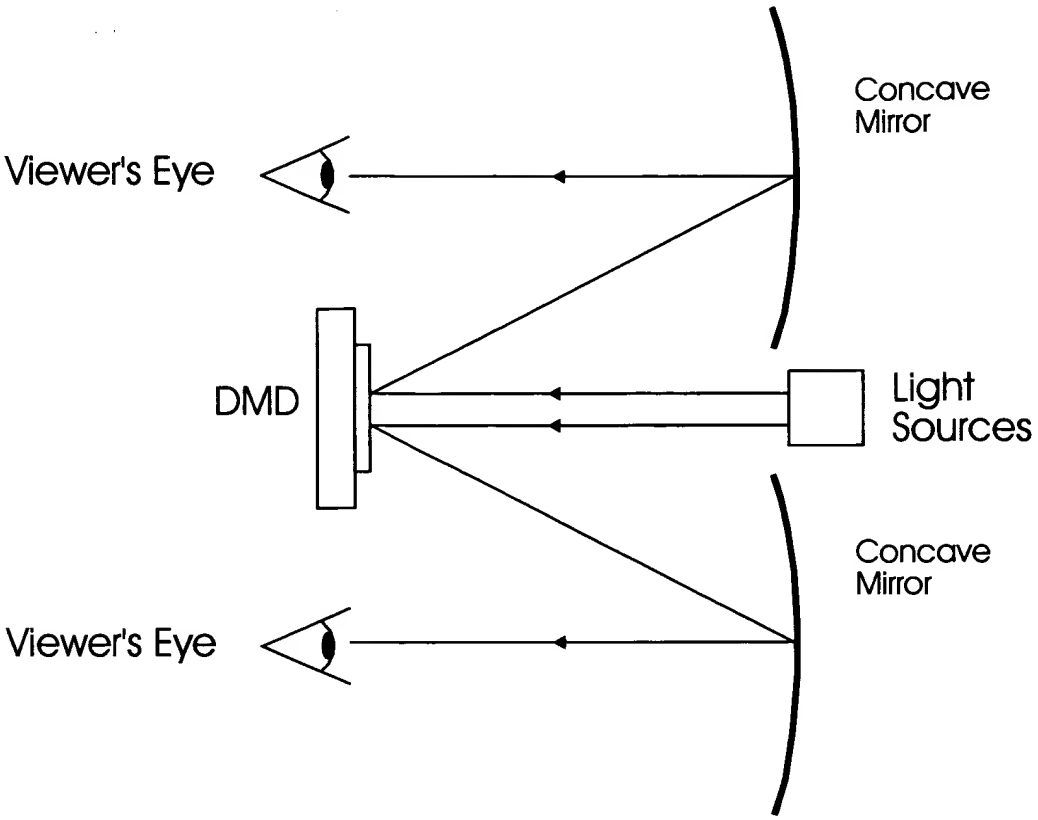

Fig. 7

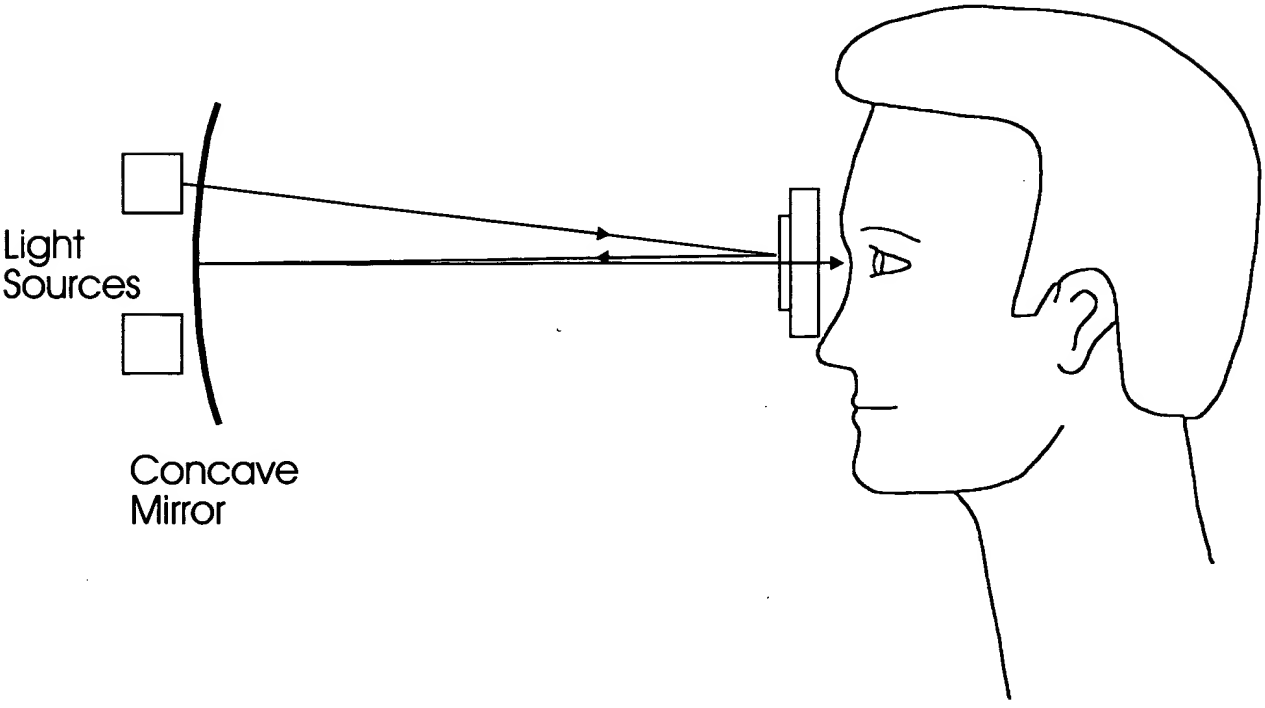

Fig. 8

Mirror HMD - Two Stage

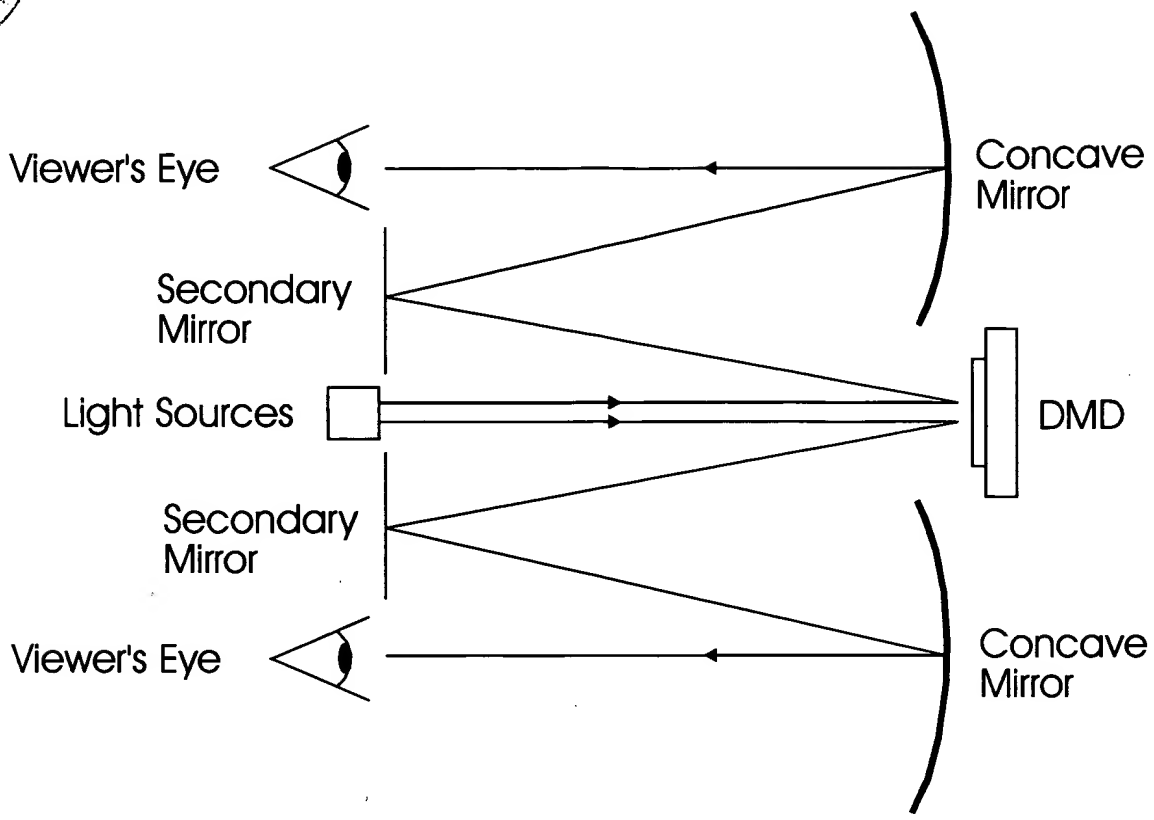

Fig. 9

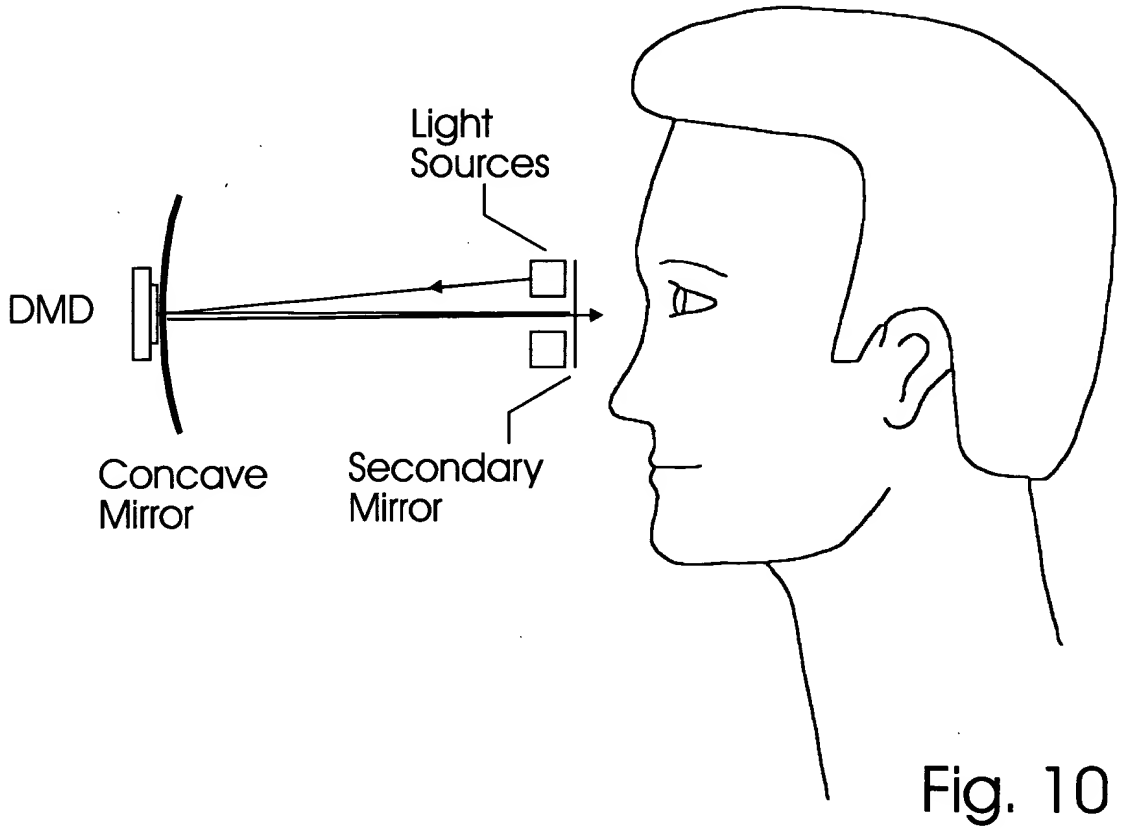

Fig. 10

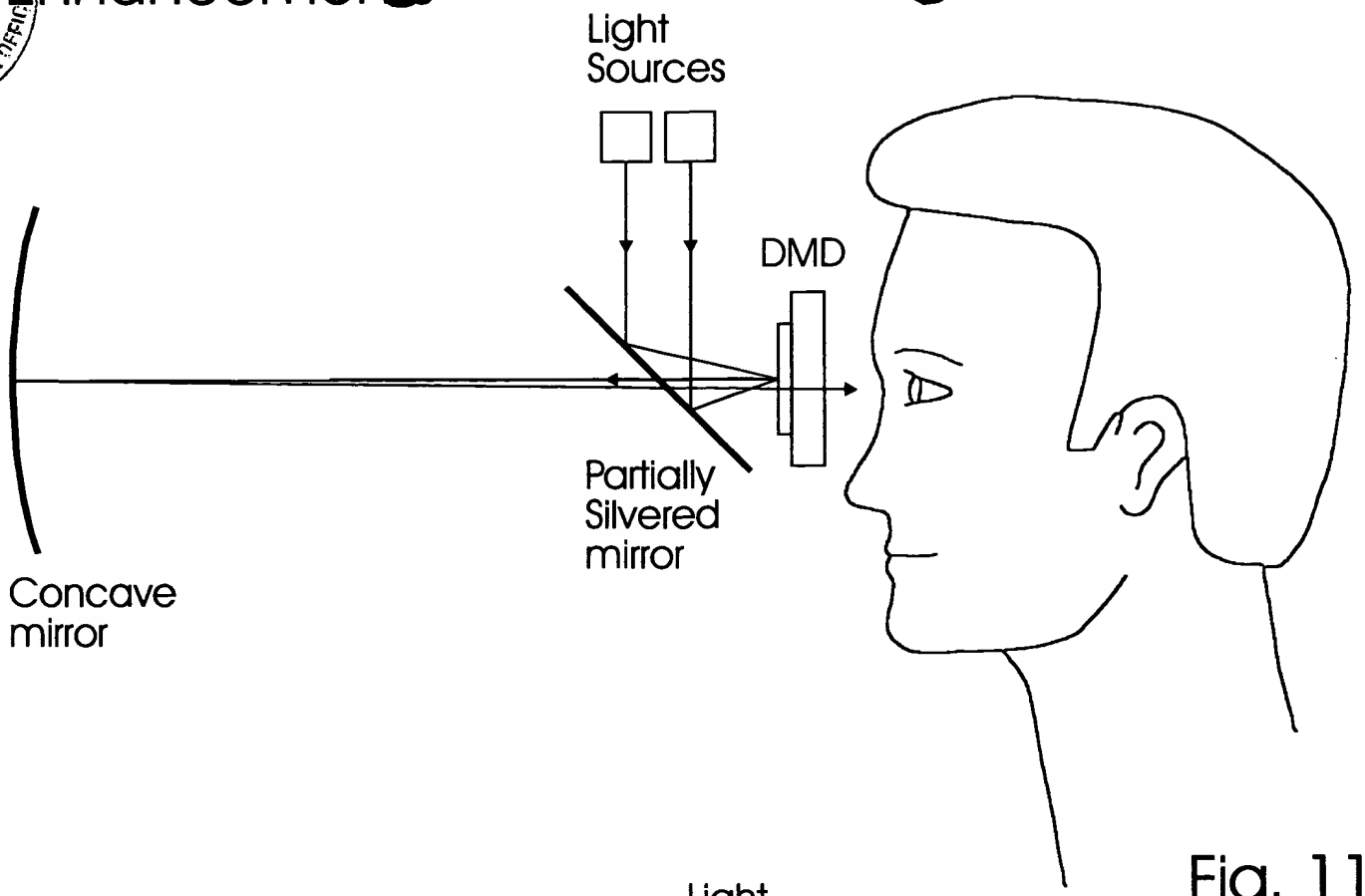

Fig. 11

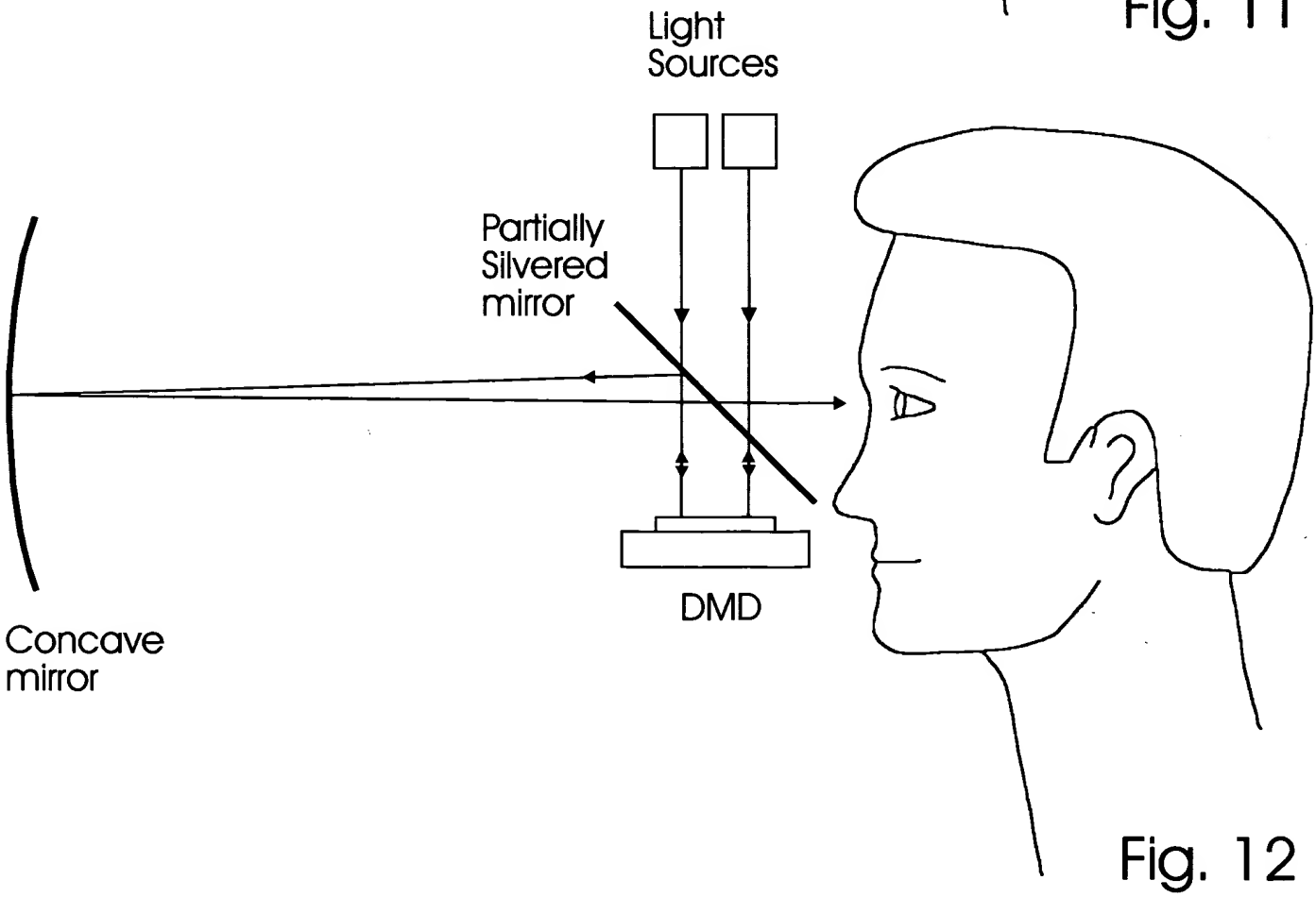

Fig. 12

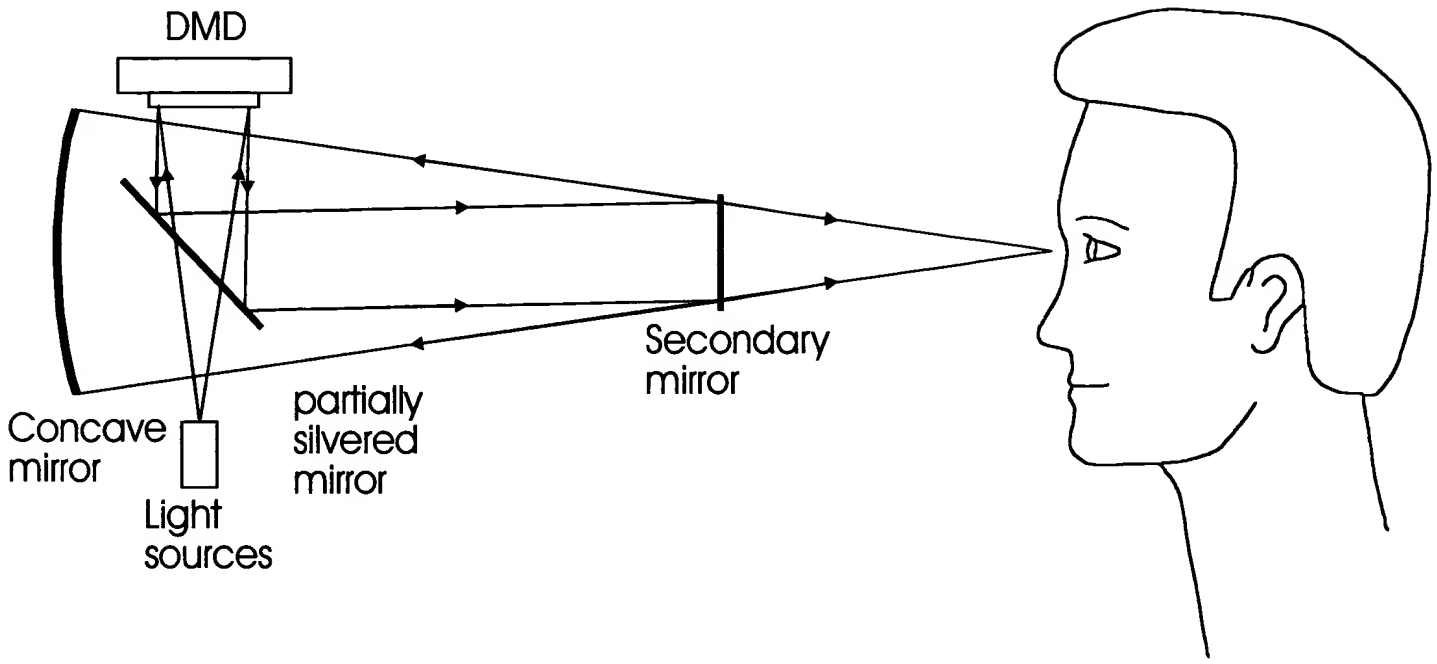

Fig. 13

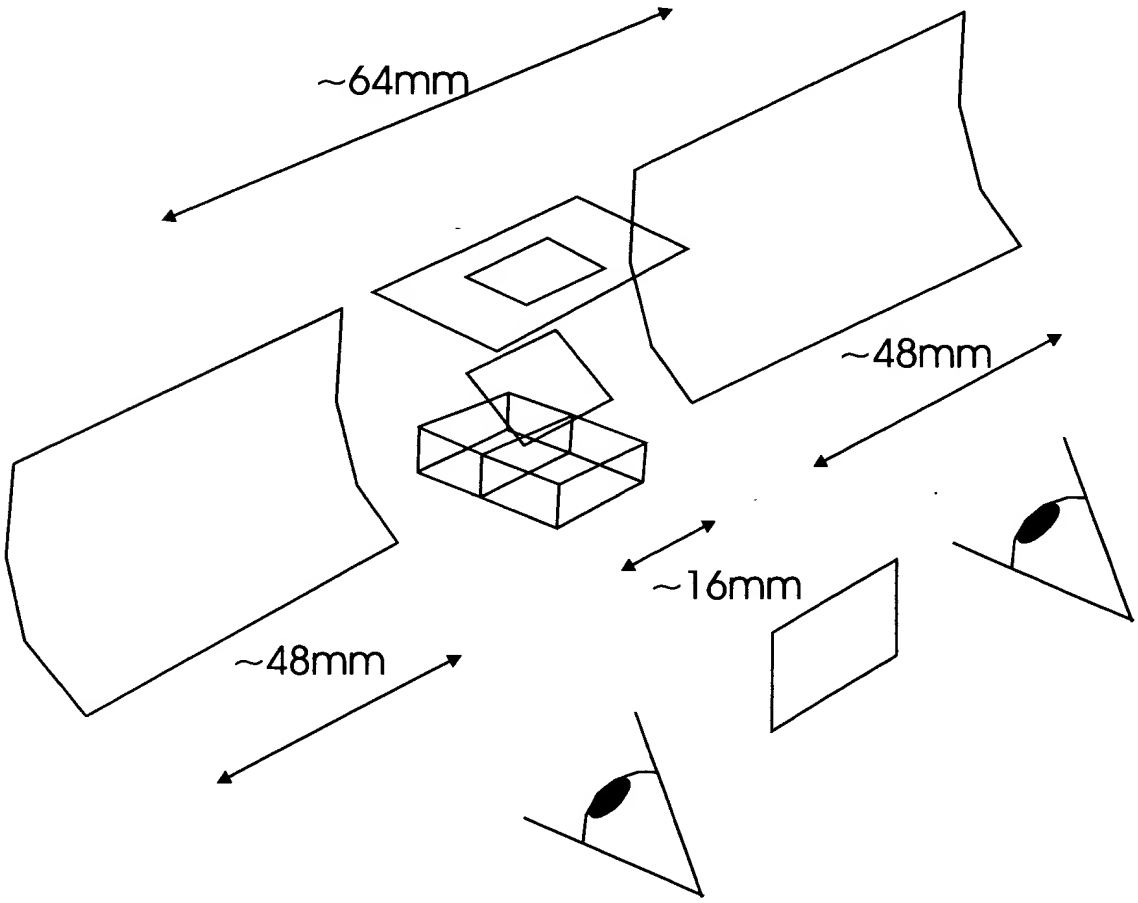

Fig. 14

Dual DMD lens system

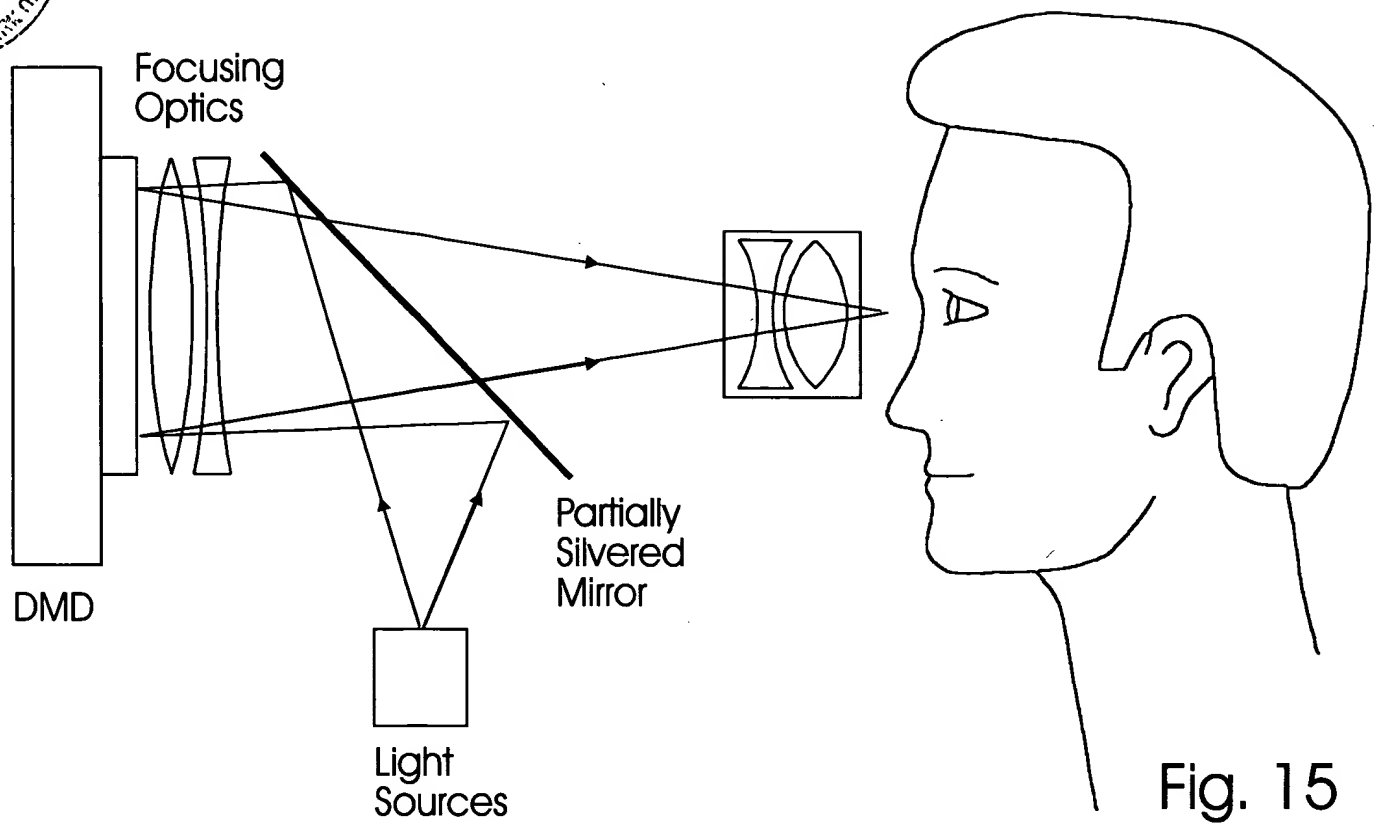

Fig. 15

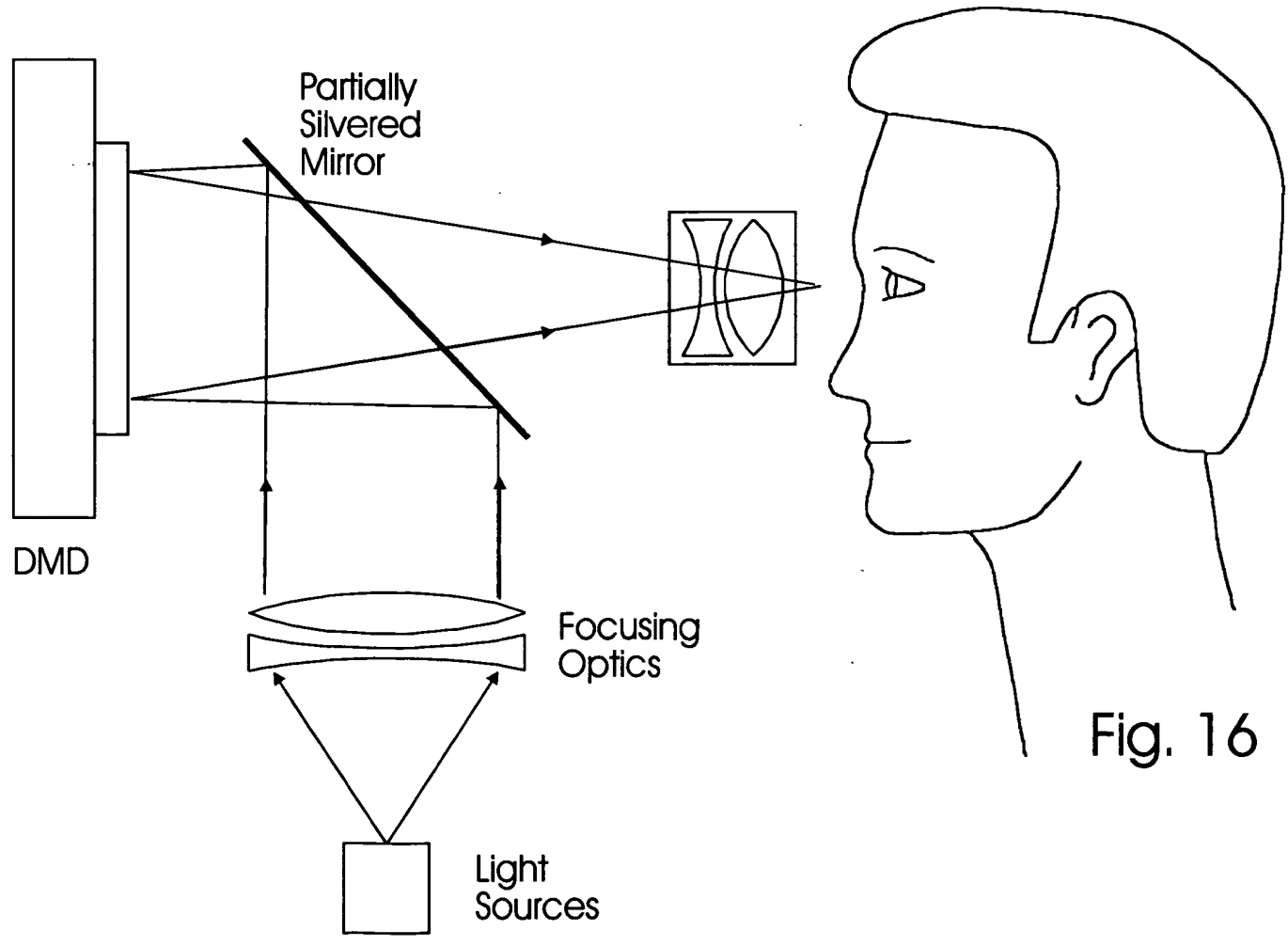

Fig. 16

2 stage dual mirror hybrid HMD

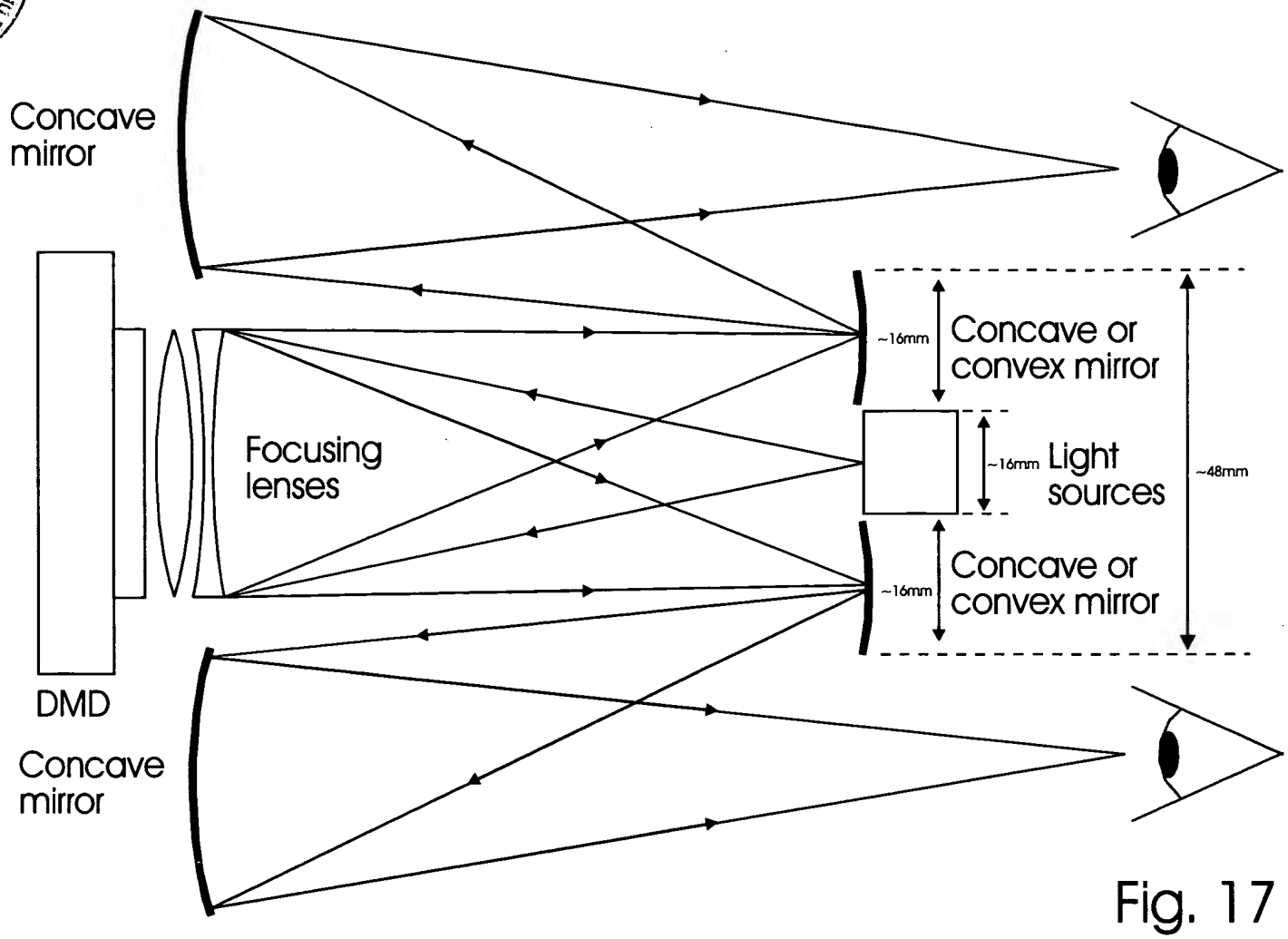

Fig. 17

Single DMD lens HMD

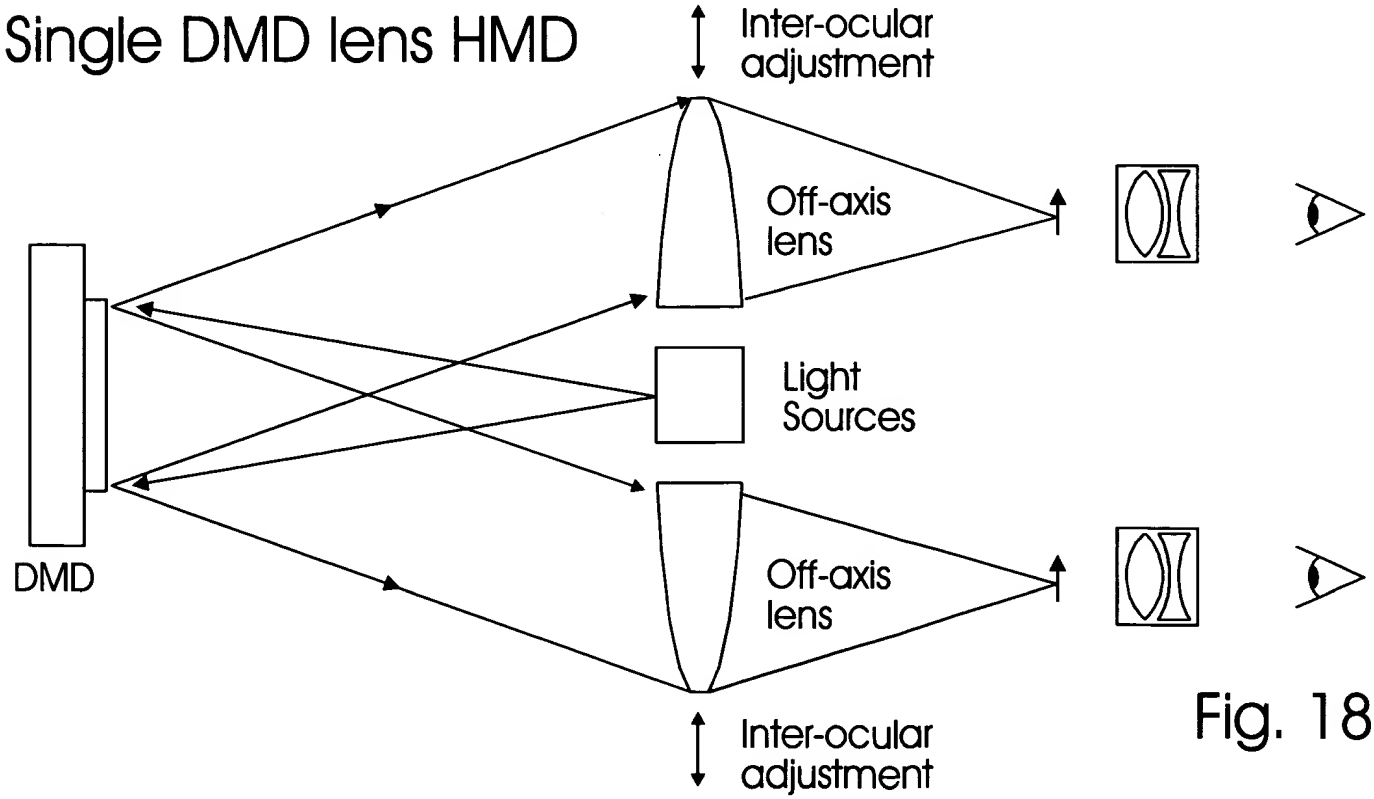

Fig. 18

Prismatic lens design

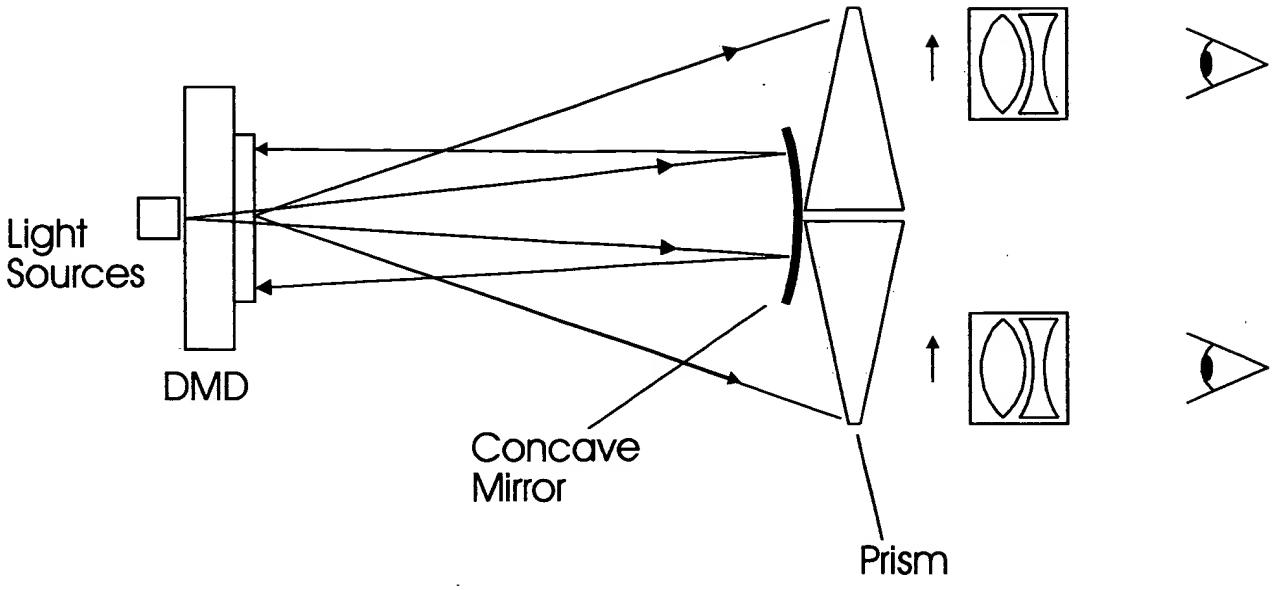

Fig. 19

Binocular lens design

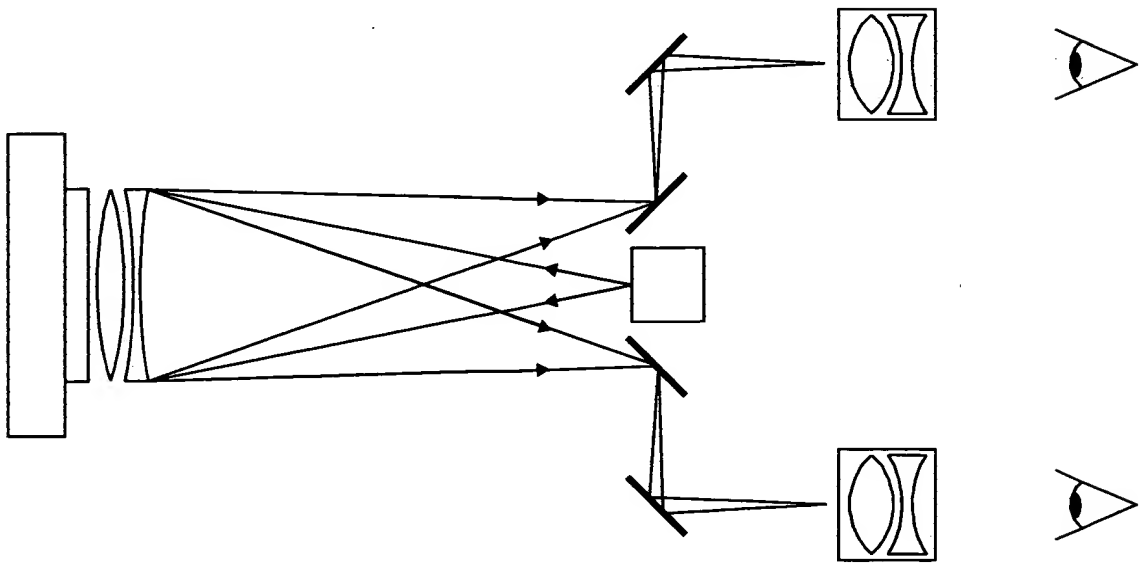

Fig. 20

Single stage hybrid lens system

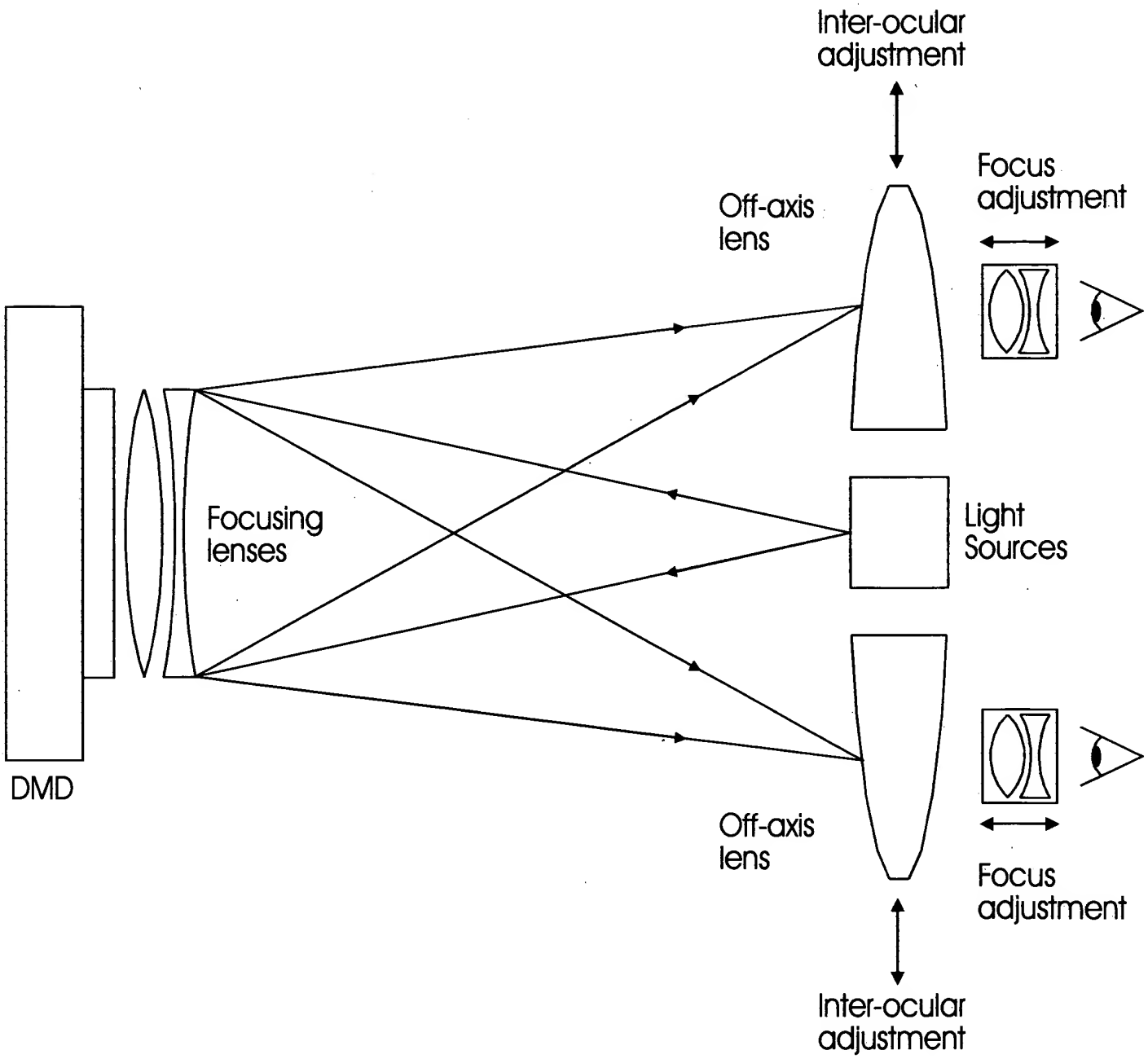

Fig. 21

2 stage hybrid lens system (preferred embodiment)

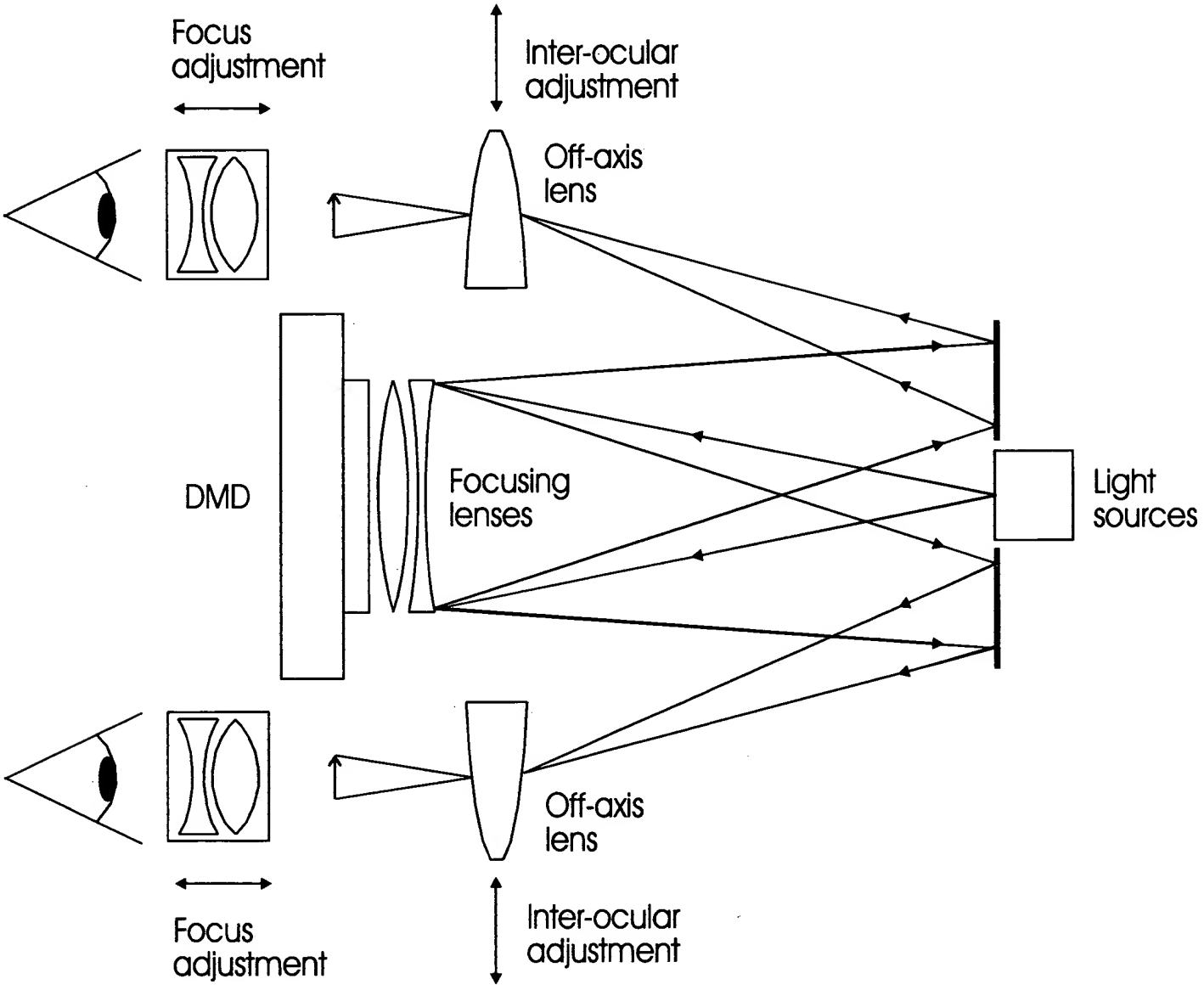

Fig. 22

Lens HMD enhancements

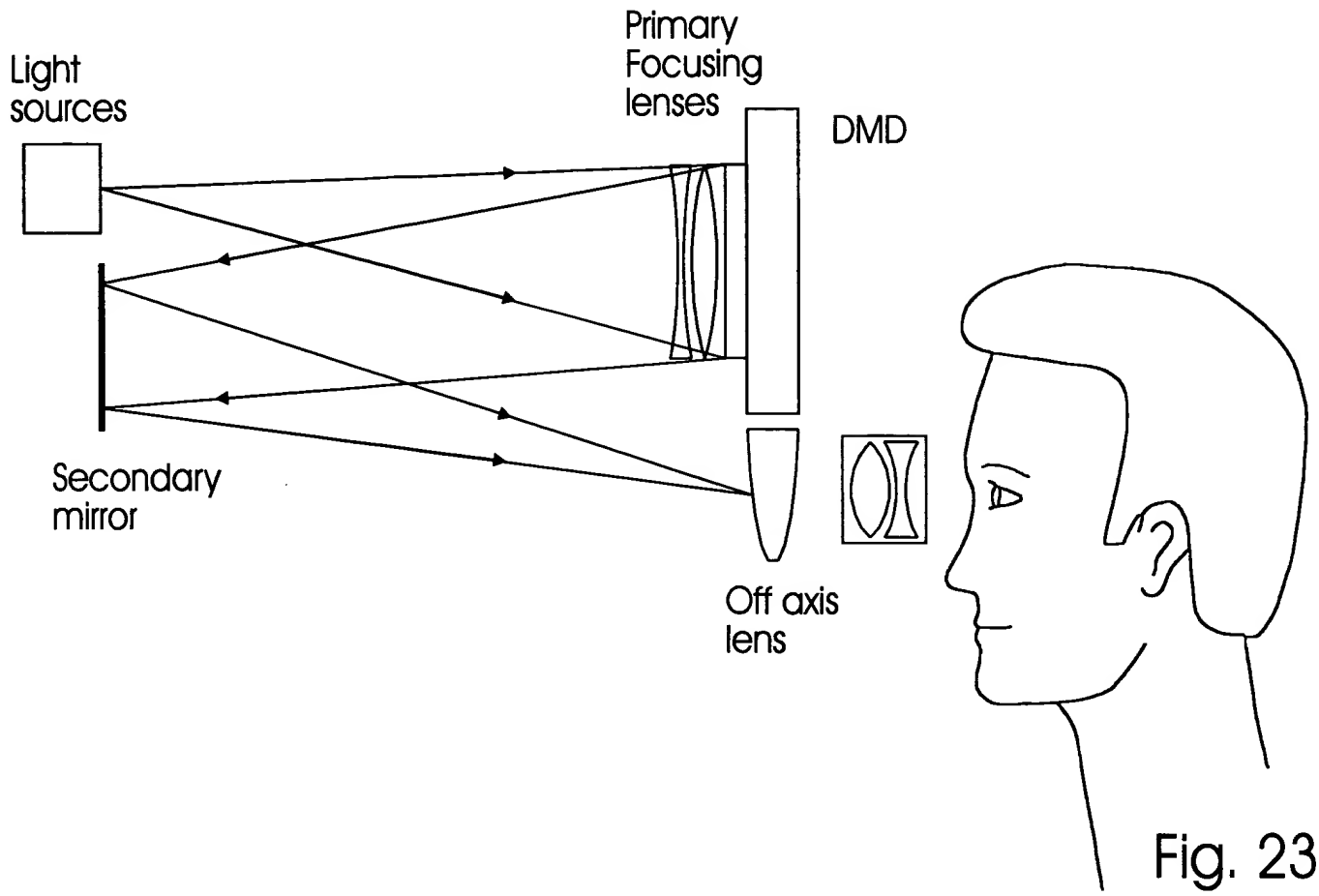

Fig. 23

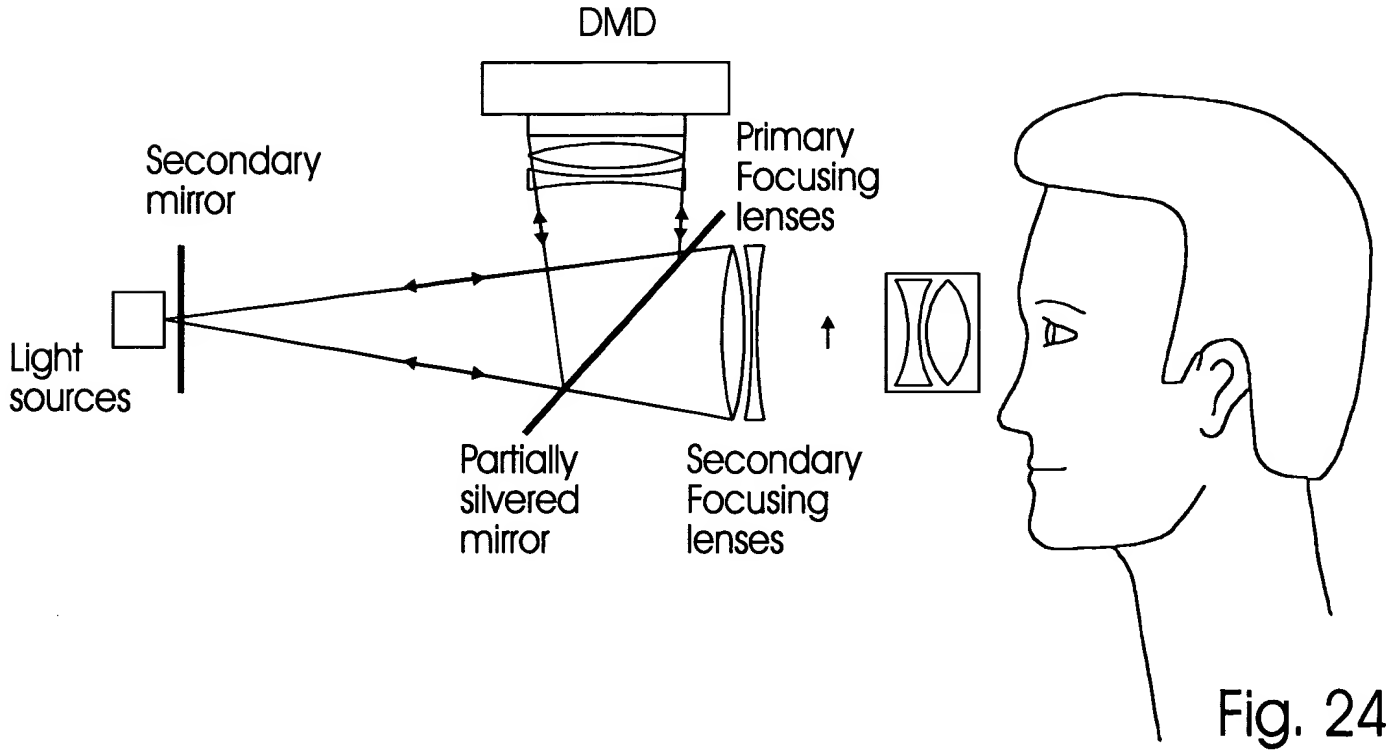

Fig. 24

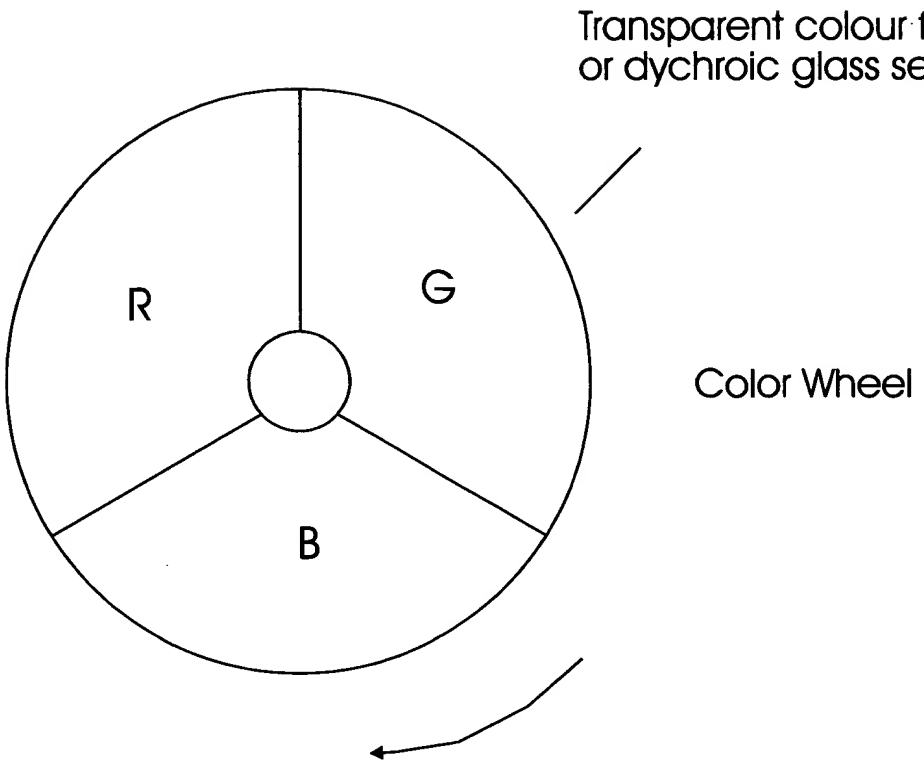

Fig. 25

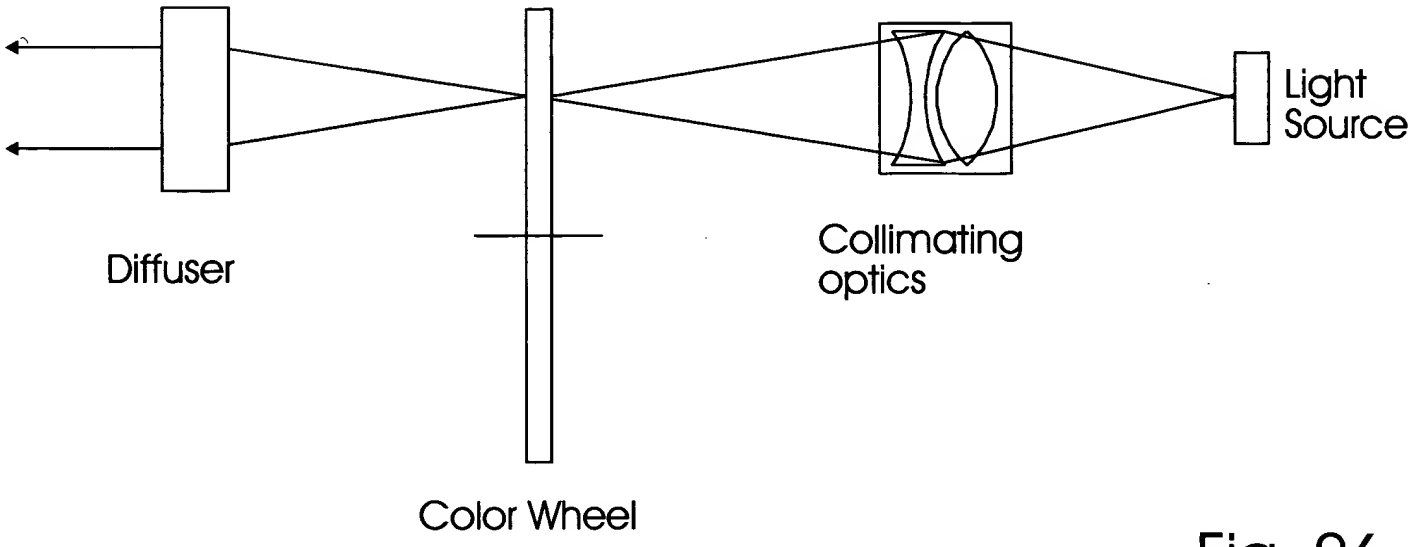

Fig. 26

Light sources

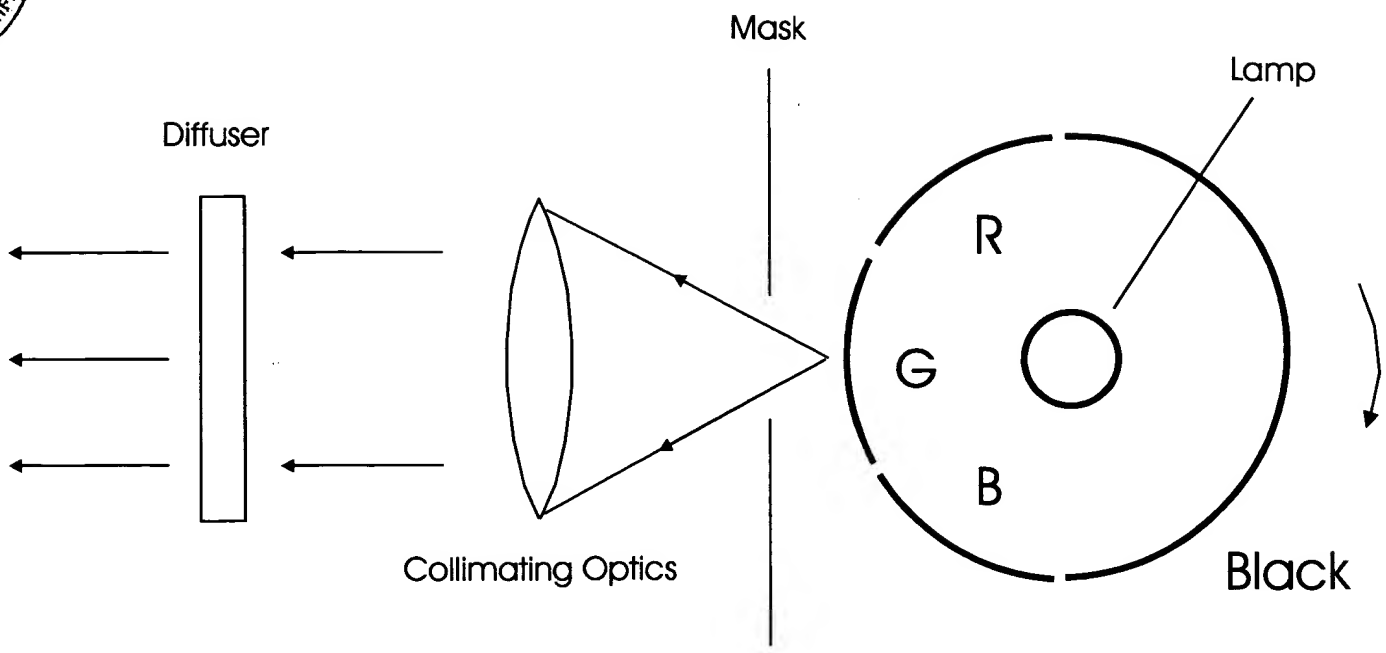

Fig. 27

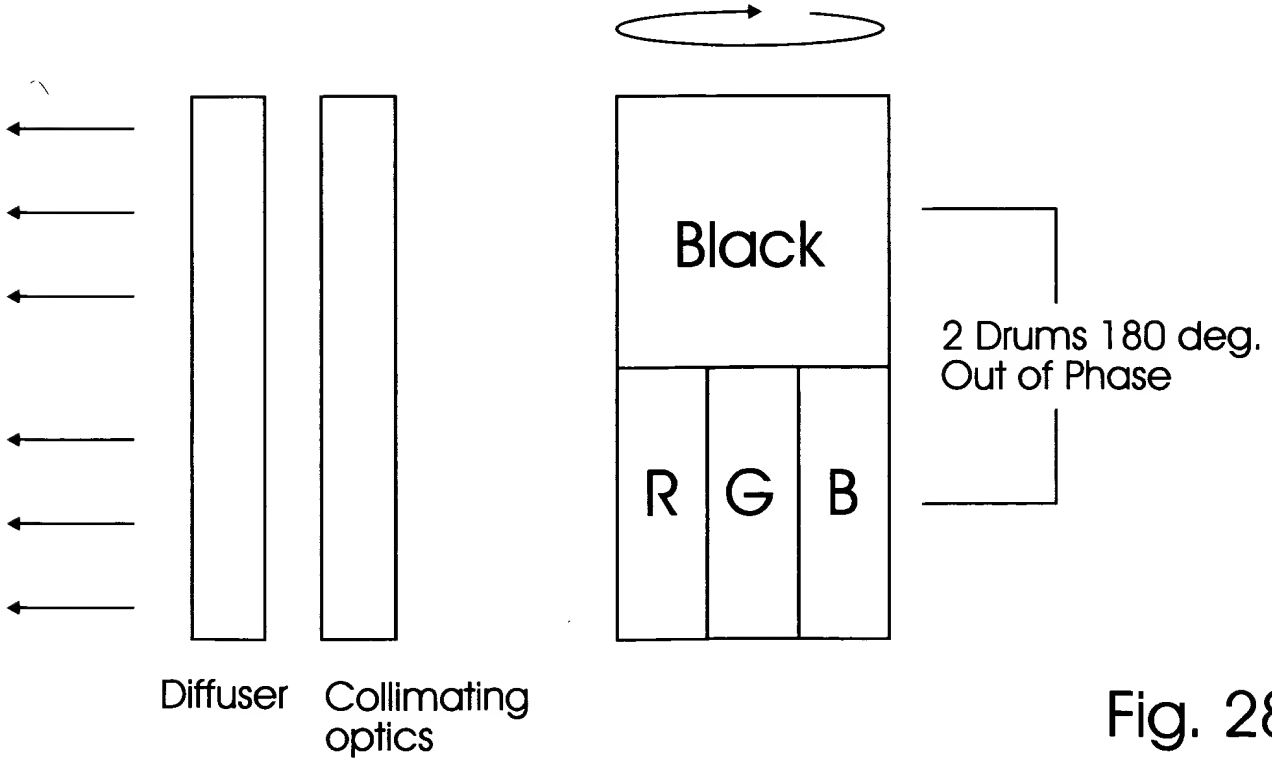

Fig. 28

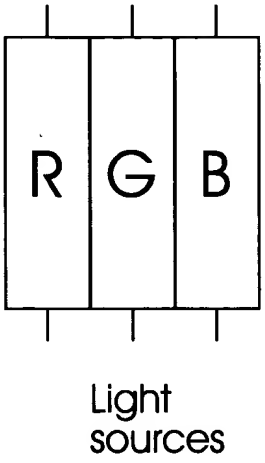

Fig. 29 A

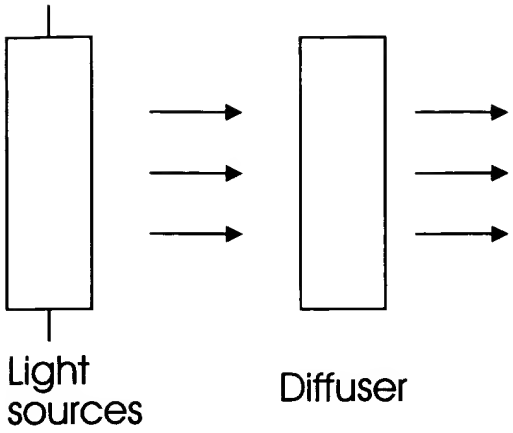

Fig. 29 B

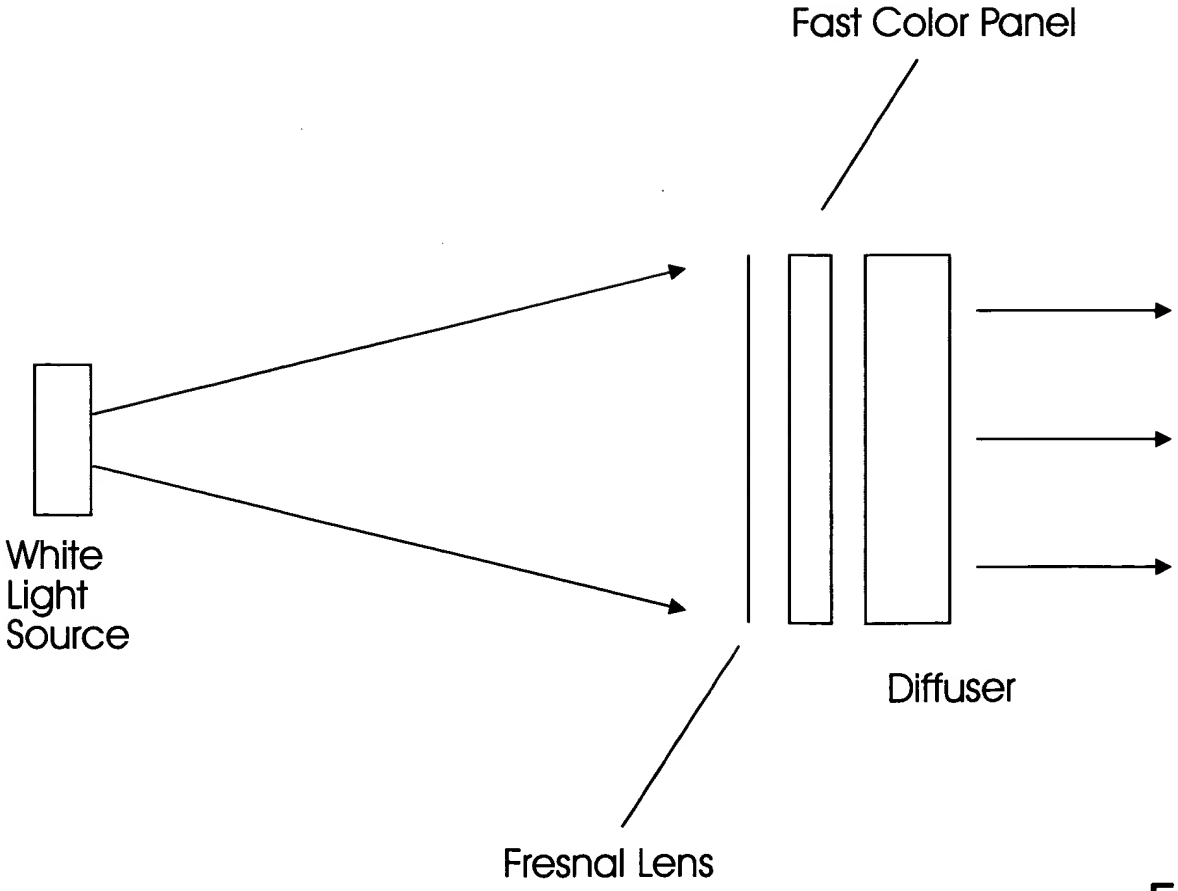

Fig. 30

Light sources

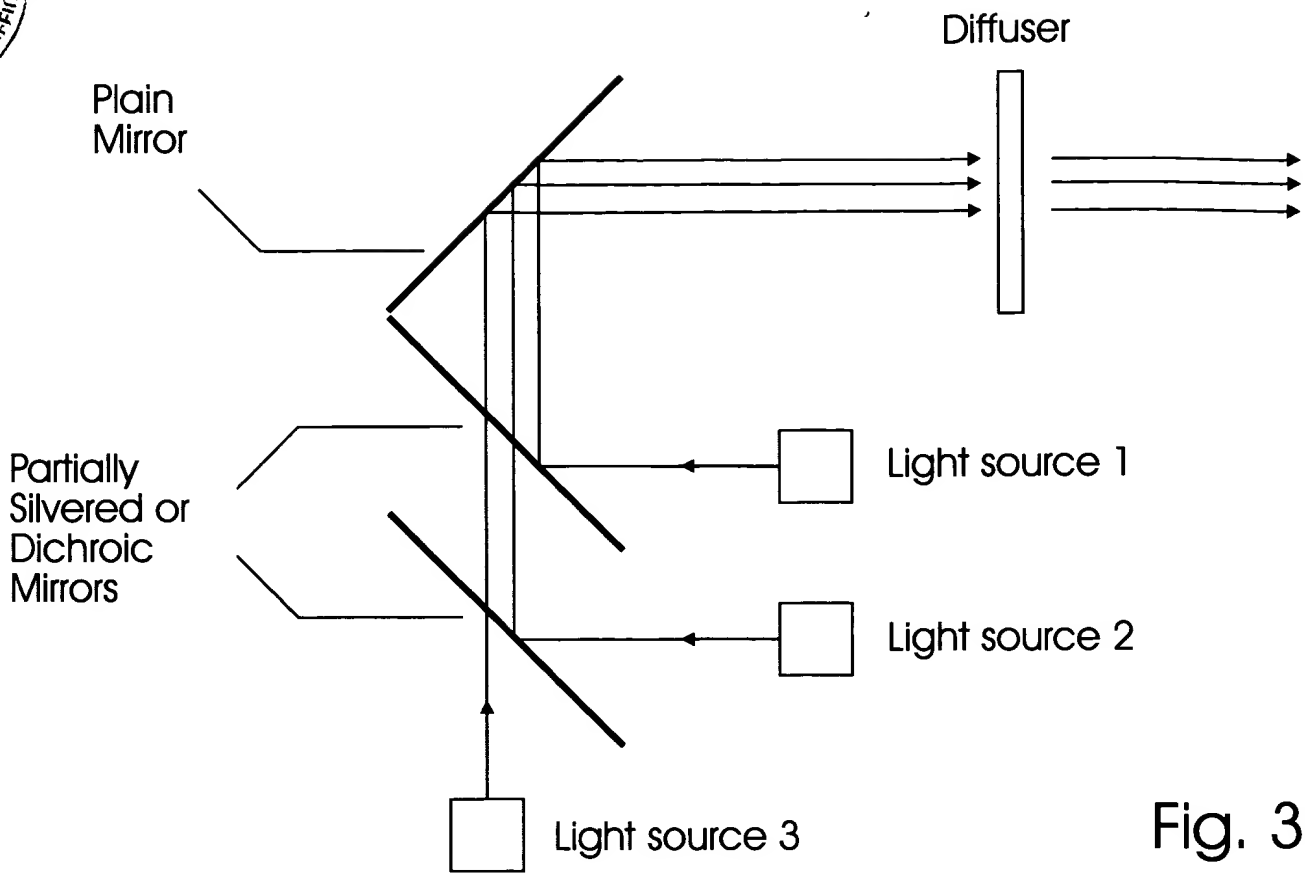

Fig. 31

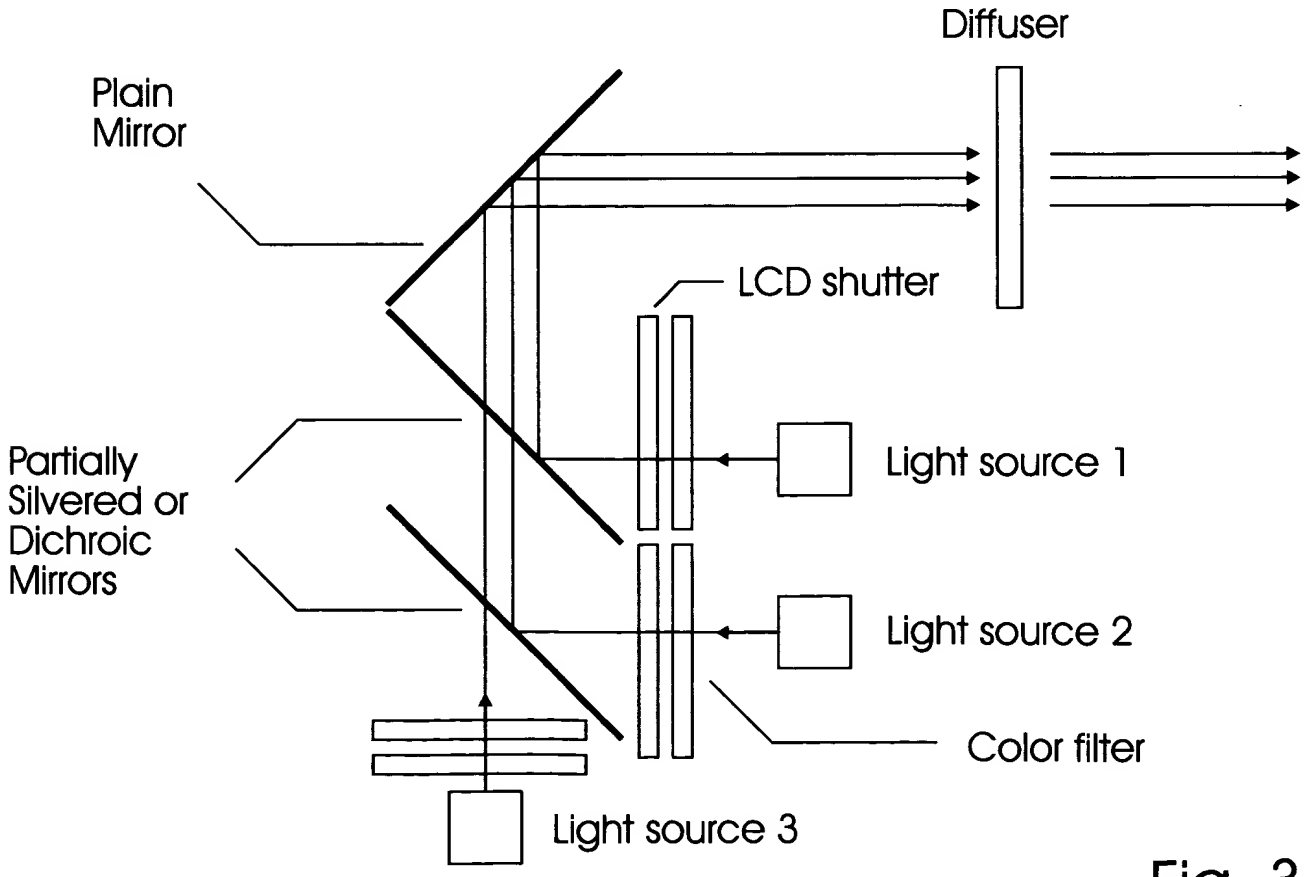

Fig. 32

Light Sources

LED Array-1 (Monochrome LEDs)

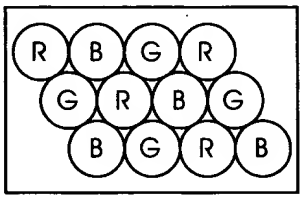

Fig. 33 A

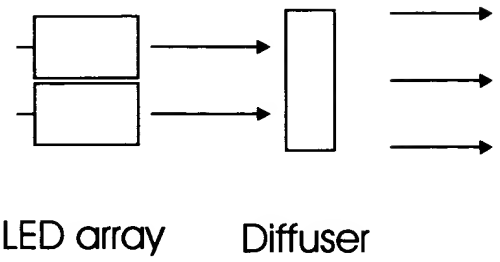

Fig. 33 B

R,G,B LED Array - 2

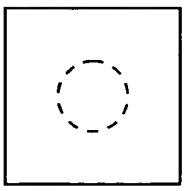

Fig. 34 A

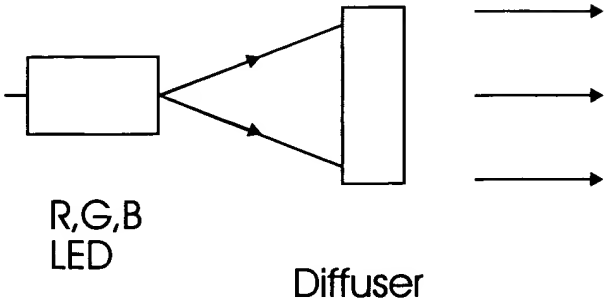

Fig. 34 B

Optical enhancements

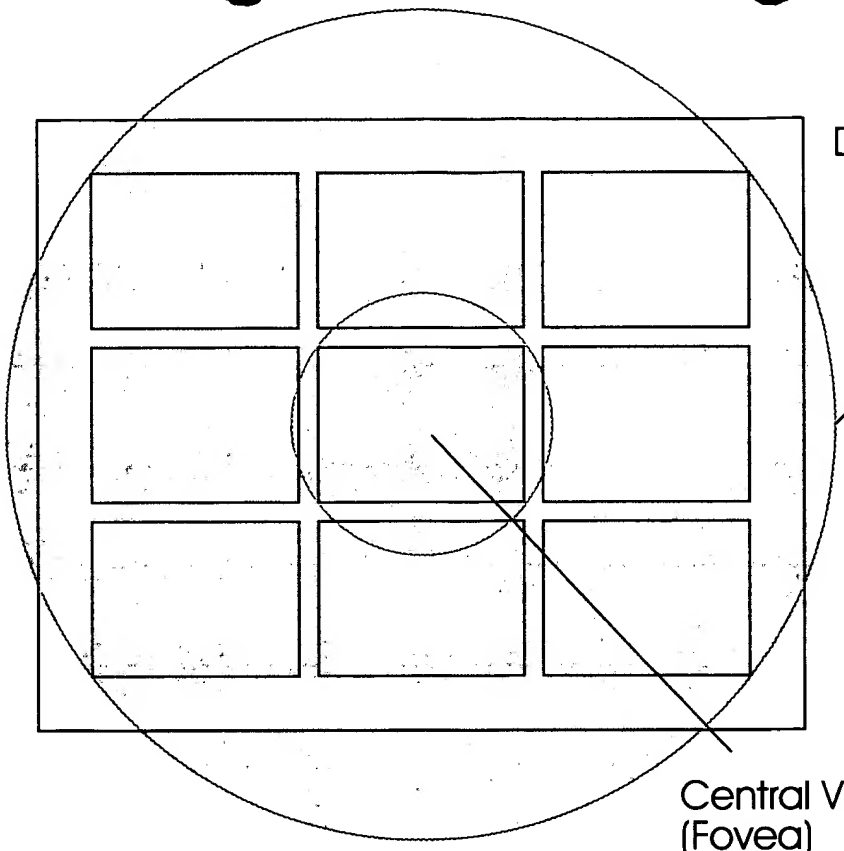

Fig. 35

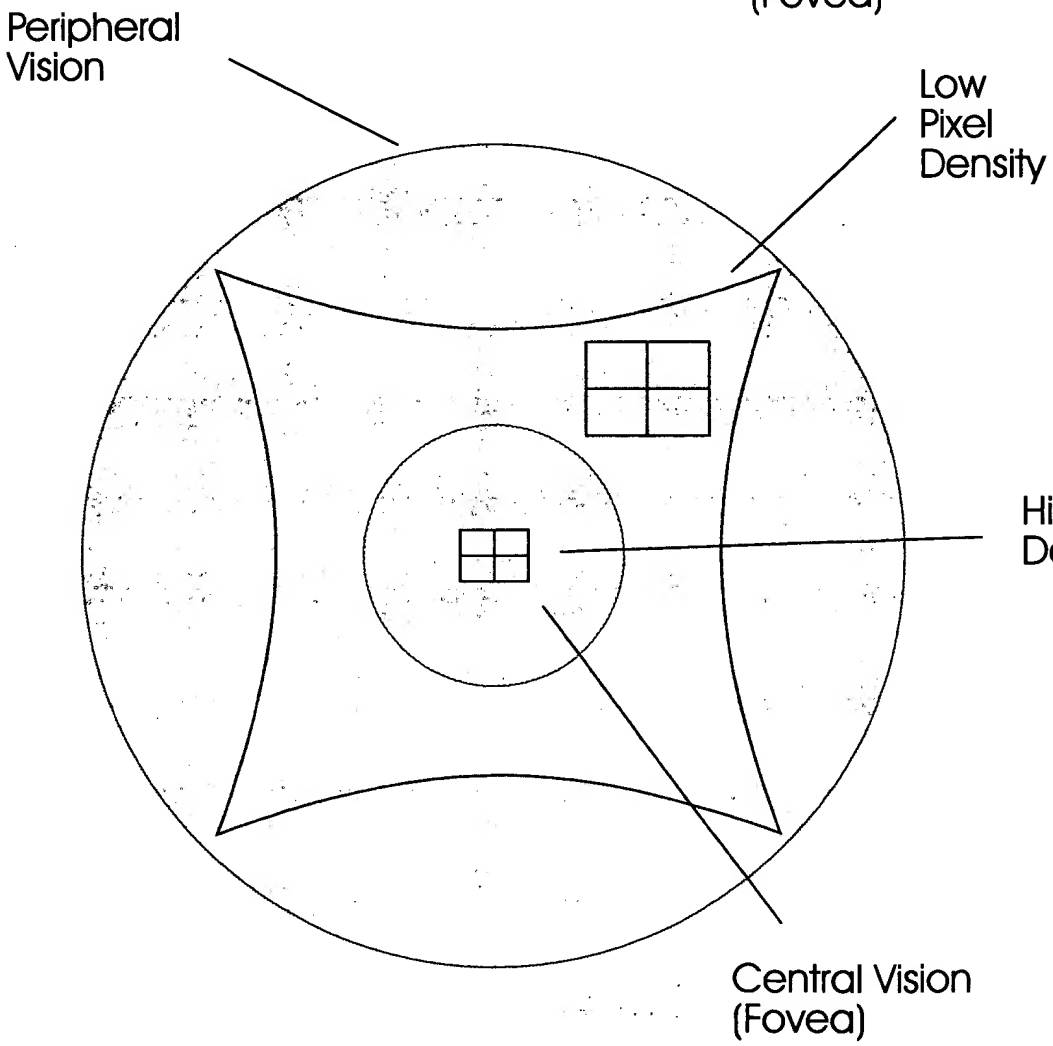

Fig. 36

Color space comparison

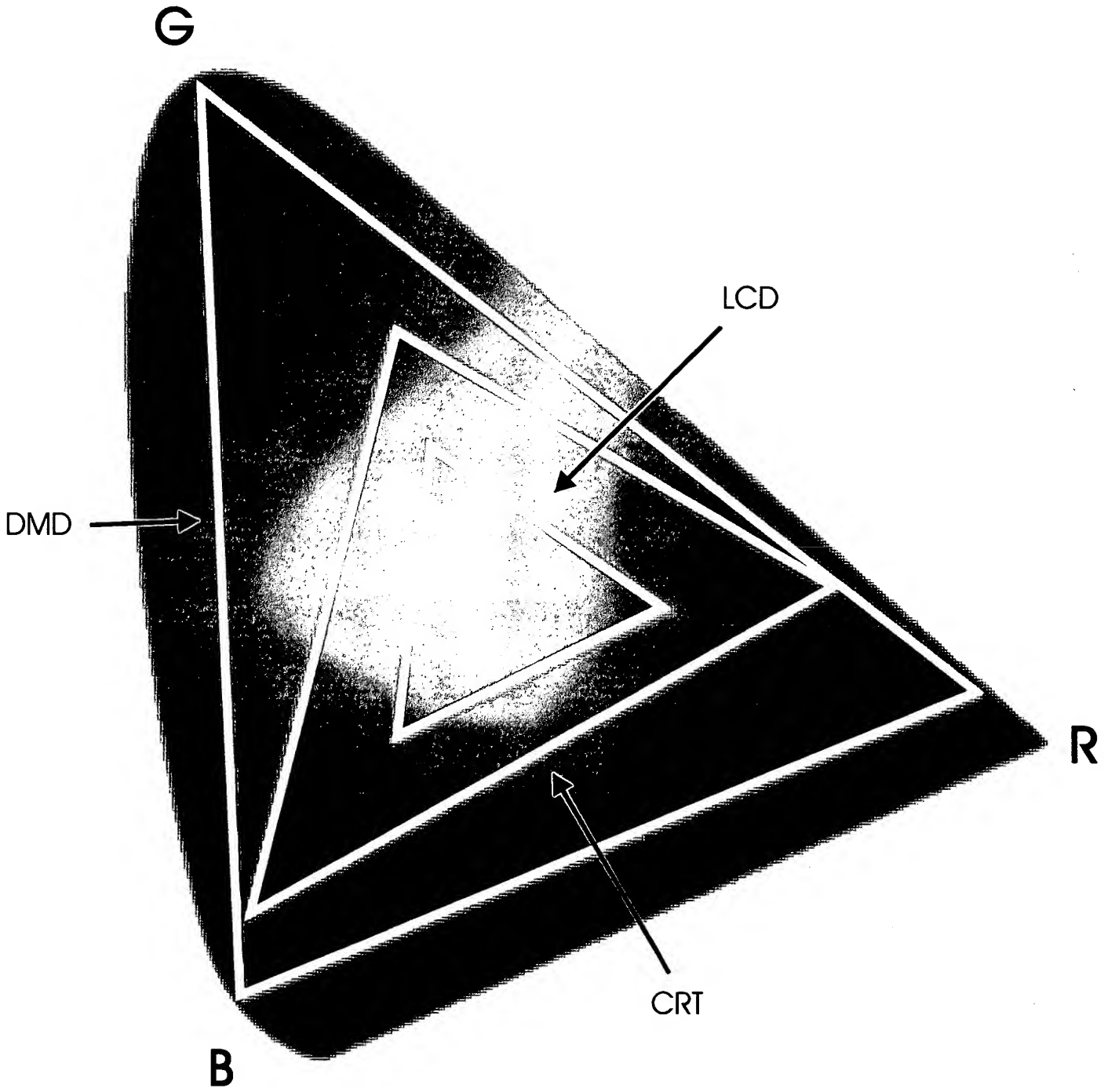

Fig. 37